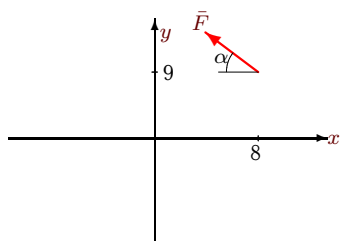


Момент силы относительно точки

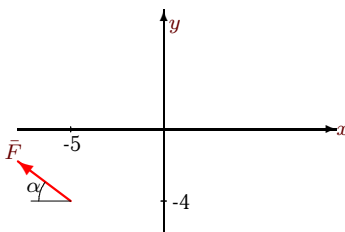
Найти момент силы F относительно начала координат.

Задача 23.1.



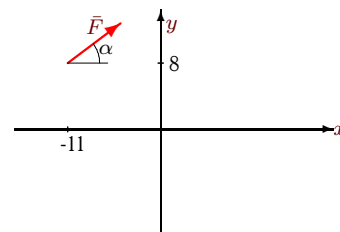
$$F = 10, \operatorname{tg}\alpha = 4/3$$

Задача 23.2.



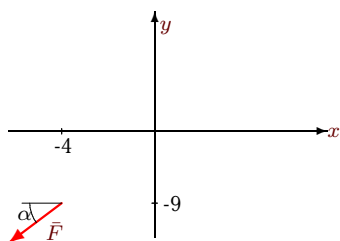
$$F = 20, \operatorname{tg}\alpha = 3/4$$

Задача 23.3.



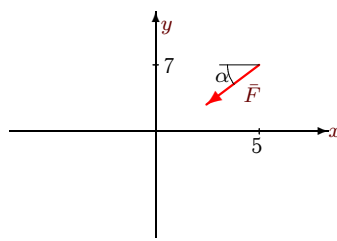
$$F = 20, \operatorname{tg}\alpha = 3/4$$

Задача 23.4.



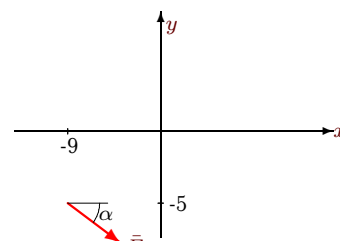
$$F = 10, \operatorname{tg}\alpha = 4/3$$

Задача 23.5.



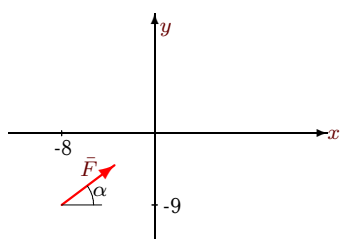
$$F = 10, \operatorname{tg}\alpha = 4/3$$

Задача 23.6.



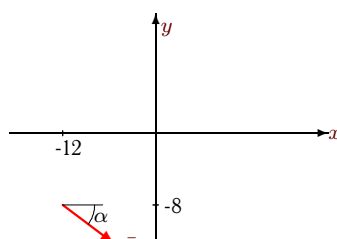
$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.7.



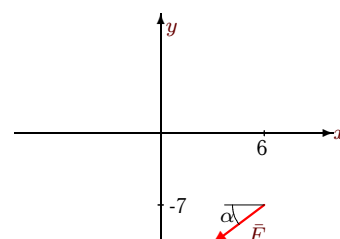
$$F = 5, \operatorname{tg}\alpha = 3/4$$

Задача 23.8.



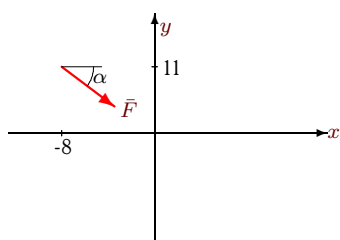
$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.9.



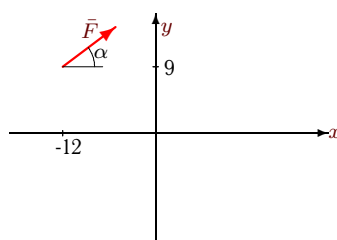
$$F = 15, \operatorname{tg}\alpha = 4/3$$

Задача 23.10.



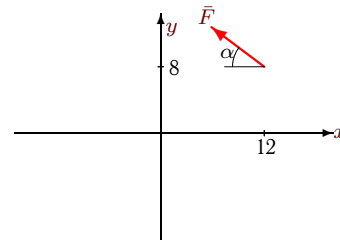
$$F = 15, \operatorname{tg}\alpha = 4/3$$

Задача 23.11.



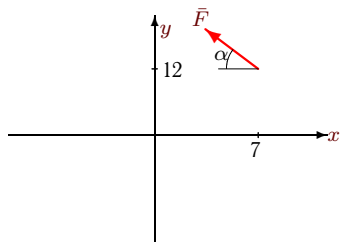
$$F = 10, \operatorname{tg}\alpha = 3/4$$

Задача 23.12.



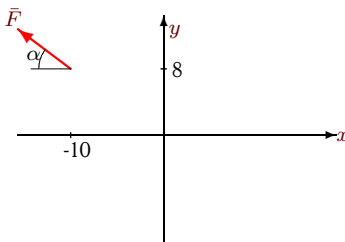
$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.13.



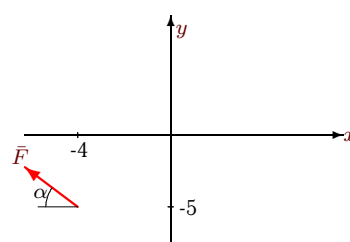
$$F = 20, \operatorname{tg}\alpha = 3/4$$

Задача 23.14.



$$F = 15, \operatorname{tg}\alpha = 3/4$$

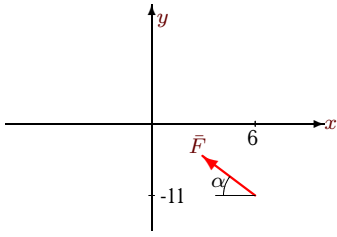
Задача 23.15.



$$F = 20, \operatorname{tg}\alpha = 3/4$$

Задача 23.16.

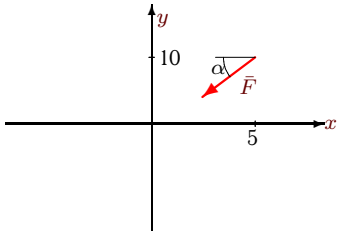
2



$$F = 5, \operatorname{tg}\alpha = 3/4$$

Задача 23.19.

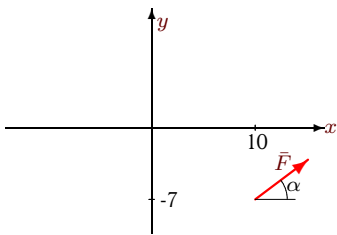
2



$$F = 20, \operatorname{tg}\alpha = 3/4$$

Задача 23.22.

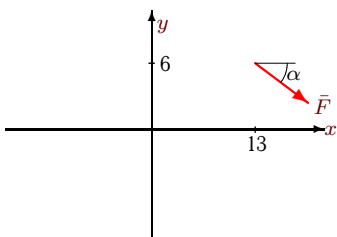
2



$$F = 5, \operatorname{tg}\alpha = 4/3$$

Задача 23.25.

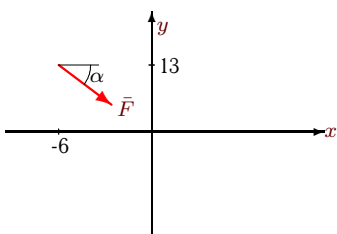
2



$$F = 5, \operatorname{tg}\alpha = 3/4$$

Задача 23.28.

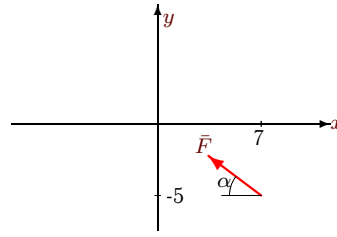
2



$$F = 10, \operatorname{tg}\alpha = 3/4$$

Задача 23.17.

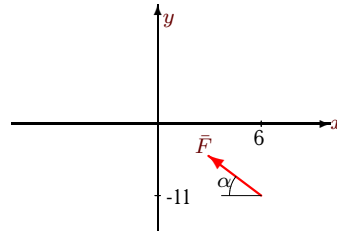
2



$$F = 10, \operatorname{tg}\alpha = 3/4$$

Задача 23.20.

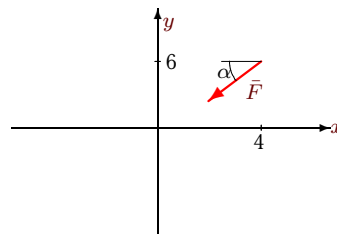
2



$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.23.

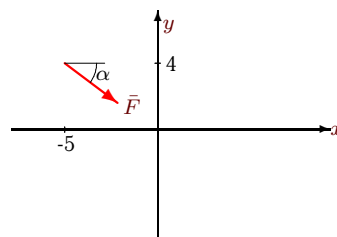
2



$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.26.

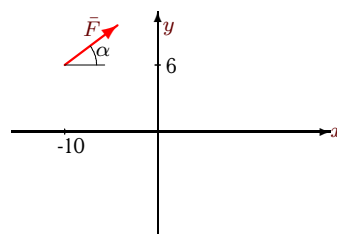
2



$$F = 20, \operatorname{tg}\alpha = 3/4$$

Задача 23.29.

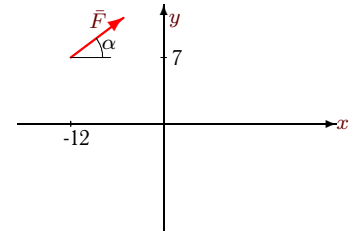
2



$$F = 10, \operatorname{tg}\alpha = 3/4$$

Задача 23.18.

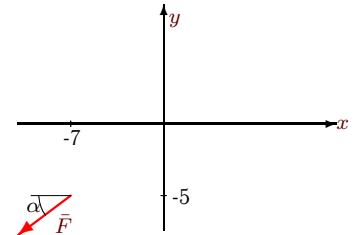
2



$$F = 15, \operatorname{tg}\alpha = 4/3$$

Задача 23.21.

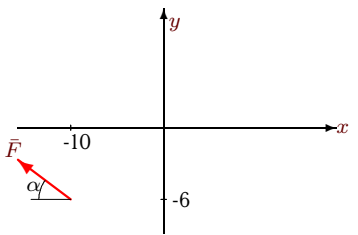
2



$$F = 20, \operatorname{tg}\alpha = 3/4$$

Задача 23.24.

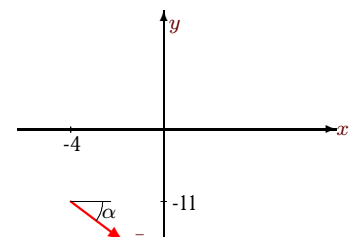
2



$$F = 20, \operatorname{tg}\alpha = 4/3$$

Задача 23.27.

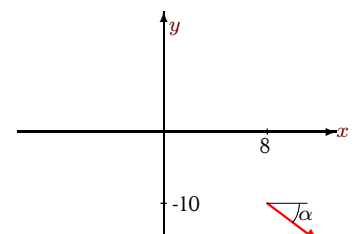
2



$$F = 10, \operatorname{tg}\alpha = 4/3$$

Задача 23.30.

2



$$F = 10, \operatorname{tg}\alpha = 3/4$$

Момент силы относительно точки

№	$M(F_x)$	$M(F_y)$	$M(F)$
1	54	64	118
2	-64	-60	-124
3	-128	-132	-260
4	-54	32	-22
5	42	-40	2
6	60	144	204
7	36	-24	12
8	96	192	288
9	-63	-72	-135
10	-99	96	-3
11	-72	-72	-144
12	96	192	288
13	192	84	276
14	96	-90	6
15	-80	-48	-128
16	-44	18	-26
17	-40	42	2
18	-63	-144	-207
19	160	-60	100
20	-132	96	-36
21	-80	84	4
22	21	40	61
23	72	-64	8
24	-72	-160	-232
25	-24	-39	-63
26	-64	60	-4
27	66	32	98
28	-104	36	-68
29	-48	-60	-108
30	80	-48	32